

What Is Claimed Is:

1. A stably transfected cell line comprising LLC-PK1 cells which express human parathyroid hormone/parathyroid hormone related peptide receptor (PTHr).

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2. A method for determining whether a compound of interest is an agonist or antagonist of a Gs or Gq protein coupled receptor comprising:

(a) providing a cell line which expresses urokinase-type plasminogen activator (u-PA);

(b) providing an expression vector comprising a nucleotide sequence encoding for a Gs or Gq protein coupled receptor, said receptor not normally expressed in said cell line of step (a);

(c) introducing said expression vector into said cell line, thereby providing stably transfected cells;

(d) contacting said stably transfected cells with said compound of interest; and

(e) measuring the u-PA activity of the cell culture supernatant of said cells of step (d).

3. The method of claim 2, wherein said Gs or Gq protein coupled receptor is a Gs protein coupled receptor.

20 4. The method of claim 2, wherein said Gs or Gq protein coupled receptor is a Gq protein coupled receptor.

5. A method of claim 2, wherein said Gs or Gq protein coupled receptor is both a Gs and Gq protein coupled receptor.

6. A method of claim 2, wherein said cell line is LLC-PK1.

7. A method of claim 2, wherein said Gs or Gq protein coupled receptor is human PTHR.

Sub a3

8. A method of claim 6, wherein said Gs or Gq protein coupled receptor is human PTHR.

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